

IN THE CLAIMS:

Please amend the claims as follows:

1. *(currently amended)* ~~An antenna~~ A planar inverted F-antenna (PIFA) having a continuous, non-self-repeating on smaller scales, non-planar radiator surface.
2. *(original)* An antenna according to claim 1 in which the radiator surface extends in three dimensions.
3. *(previously amended)* An antenna according to claim 2 further having a ground plane provided opposite the radiator surface.
4. *(previously amended)* An antenna comprising: a ground plane having a planar surface, and a single non-planar radiator surface positioned adjacent the ground plane.
5. *(previously amended)* An antenna according to claim 4 in which there is provided a dielectric on the radiator surface.
6. *(original)* An antenna according to claim 5 wherein the dielectric increases the average height of the antenna.
7. *(currently amended)* A mobile station including an internal ~~antenna~~ planar inverted F-antenna (PIFA) having a continuous, non-self-repeating on smaller scales, non-planar radiator surface.
8. *(previously added)* An antenna according to claim 1 further having a ground plane provided opposite the radiator surface.

9. *(previously added)* An antenna according to claim 8 wherein the ground plane is a planar surface.

10. *(previously added)* An antenna according to claim 1 in which there is provided a dielectric on the radiator surface.

11. *(previously added)* An antenna according to claim 10 wherein the dielectric increases the average height of the antenna.

12. *(previously added)* An antenna according to claim 1 wherein the non-planar radiator surface is an irregular surface.

13. *(previously added)* An antenna according to claim 4 wherein the non-planar radiator surface is an irregular surface.

14. *(currently amended)* An antenna having an irregular, non-self-repeating on smaller scales, non-planar radiator surface.